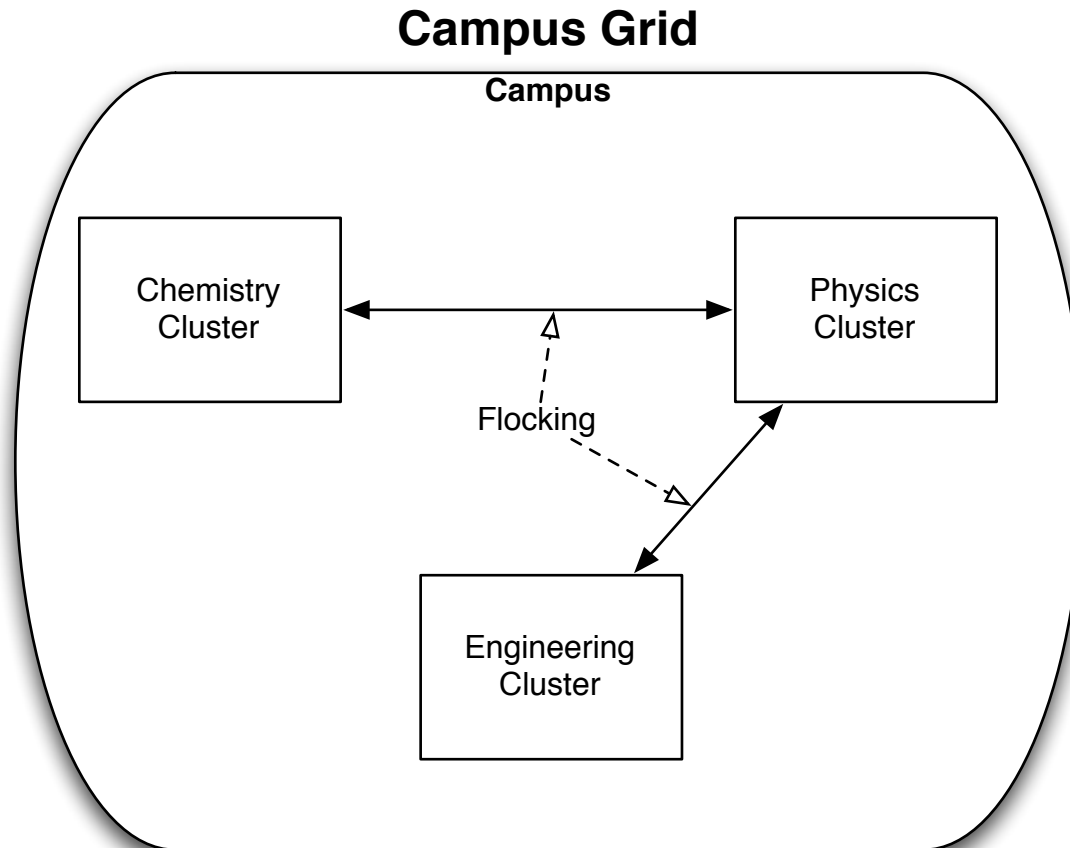


Campus Factory Installation

Derek Weitzel

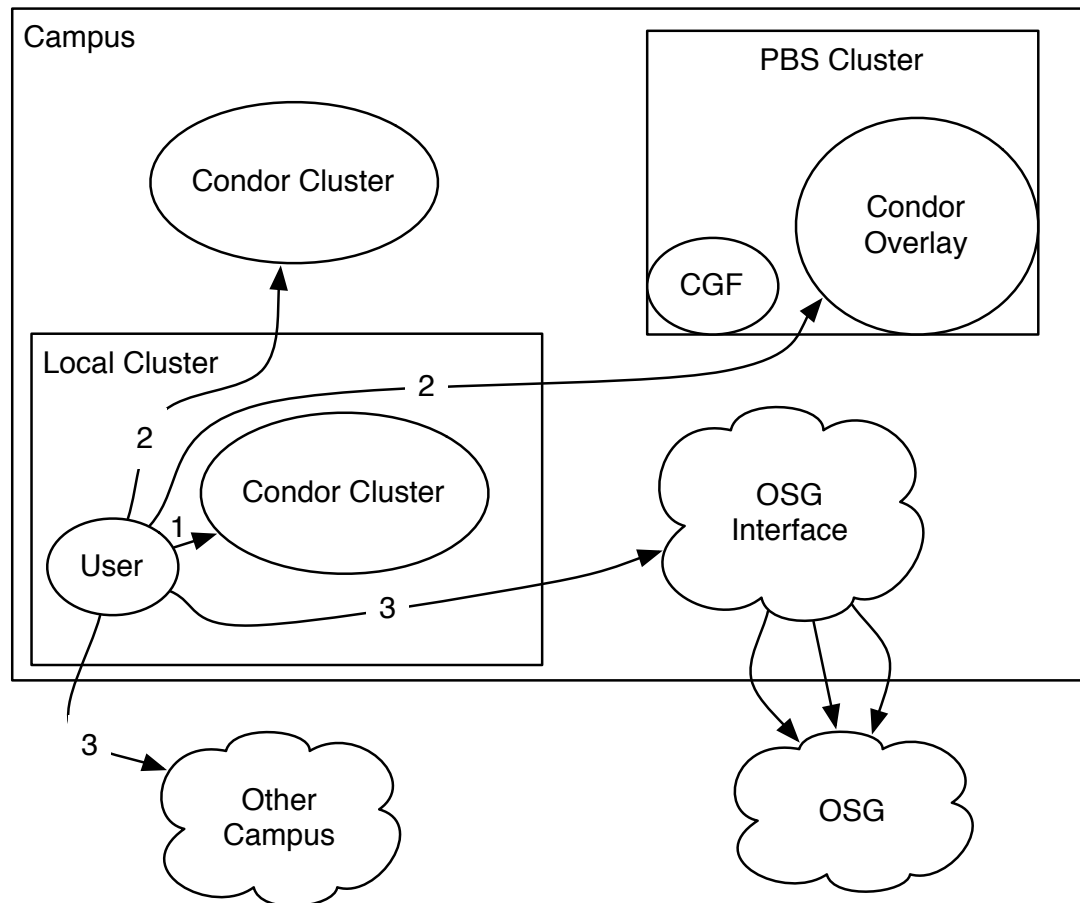
When to use Campus Factory

- Multiple clusters

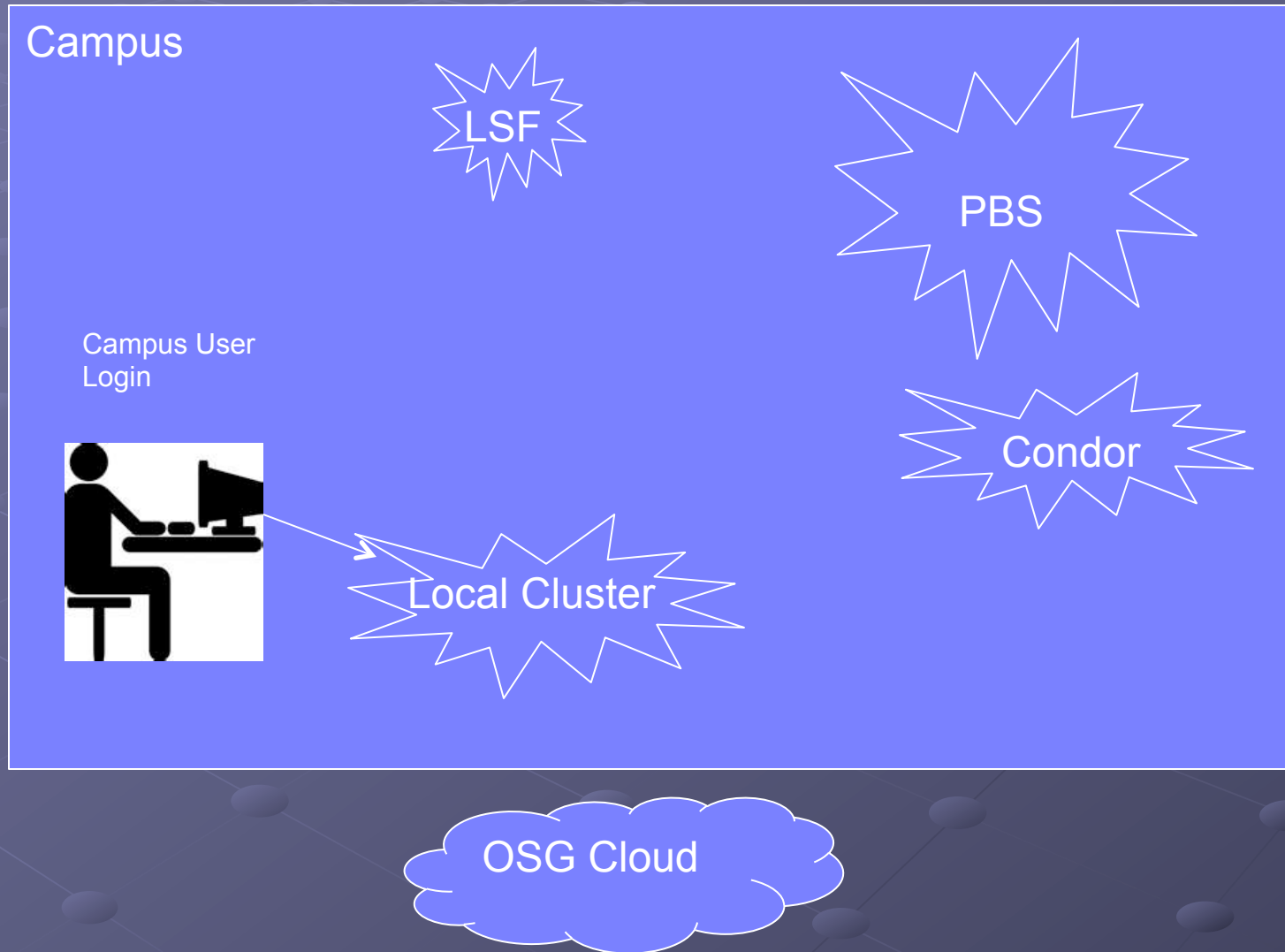


When to use Campus Factory

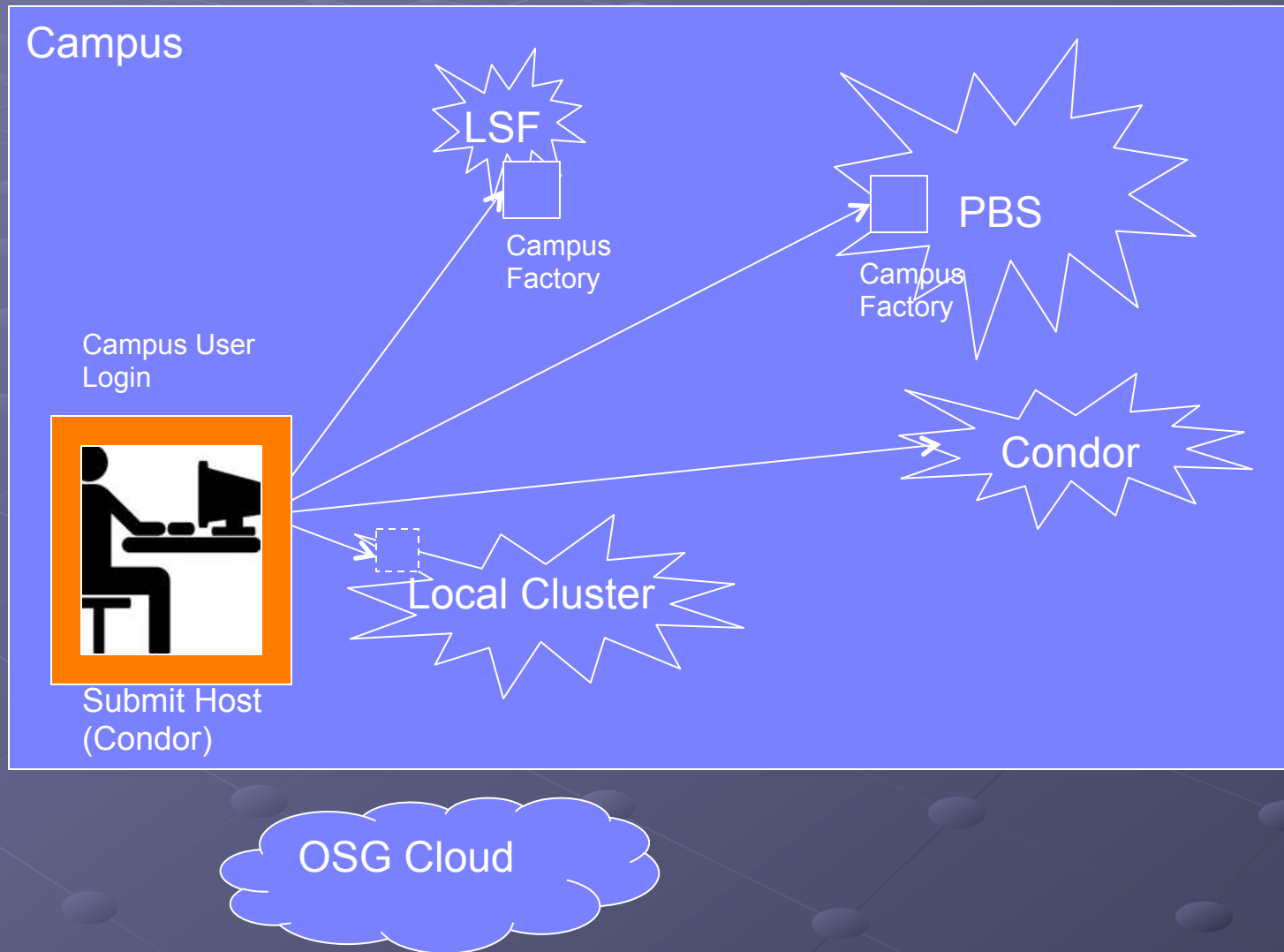
- Multiple clusters and some are PBS



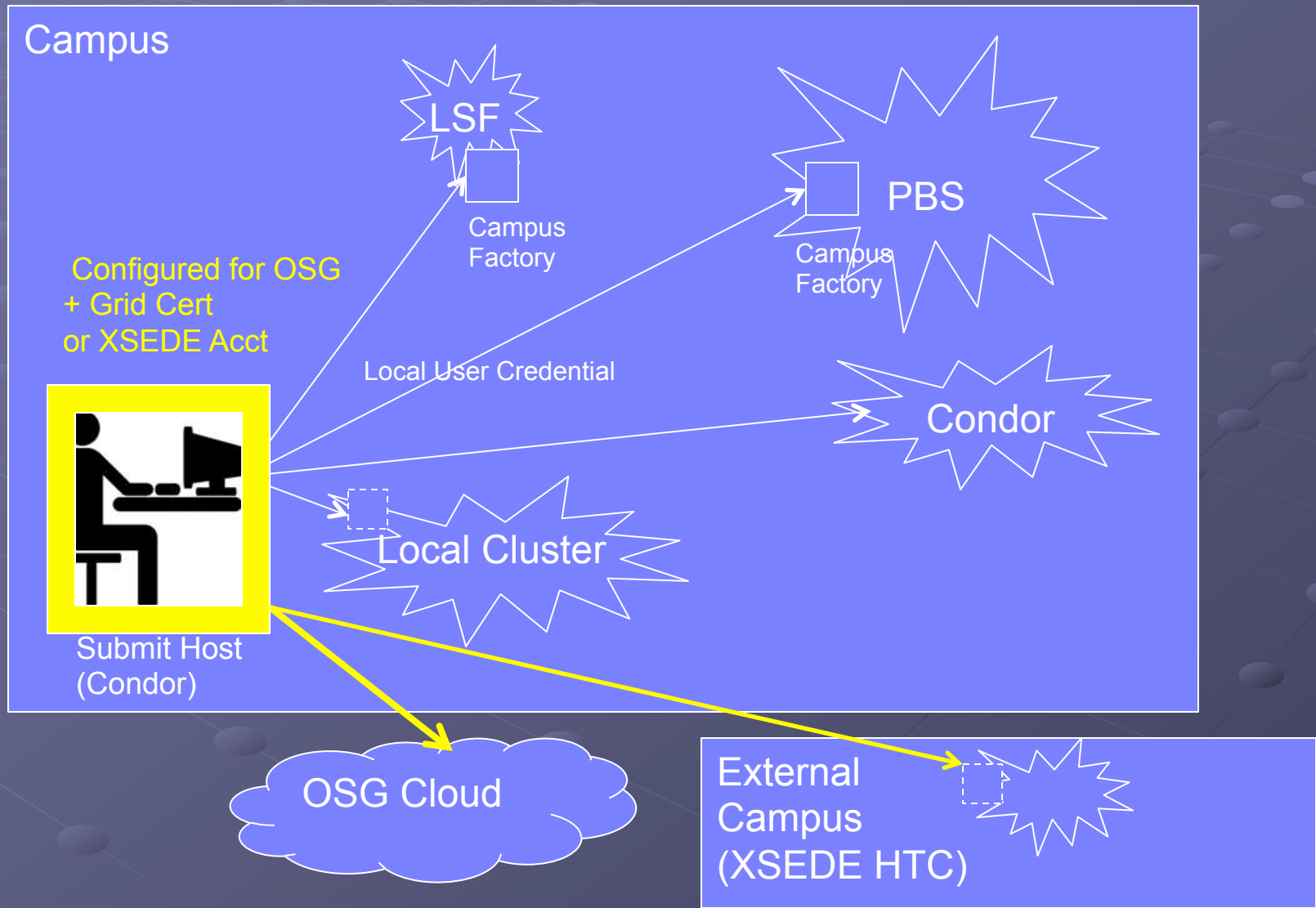
Users login to their local cluster and submit jobs



Users login to a Submit Host and *transparently* use other resources



The same submit model can include access to OSG resources



Campus Factory Operation

- Detects idle jobs on submit hosts
- Submits glideins to PBS cluster
- Negotiate access and priority to idle worker nodes

Campus Factory Requirements

- PBS Submit host
- Public IP reachable by all remote submit hosts and the worker nodes.
- Non-root install.

Notes: Campus Factory Installation

- All users will be mapped to same user on the cluster. But, can be prioritized per user.
- Default security is ok for local campus. Need to configure additionally security for WAN access (SSL?, shared key?)

Hands On

[https://twiki.grid.iu.edu/bin/view/SiteCoordination/
CampusFactoryInstall](https://twiki.grid.iu.edu/bin/view/SiteCoordination/CampusFactoryInstall)